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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/524,531C

DATE: 08/07/2002

TIME: 09:59:59

Input Set : A:\Revised SEQ LIST IMHOF.txt

Output Set: N:\CRF3\08072002\I524531C.raw

ENTERED

3 <110> APPLICANT: IMHOF, BEAT ALBET
 4 AURRAND-LIONS, MICHEL
 6 <120> TITLE OF INVENTION: VASCULAR ADHESION MOLECULES AND MODULATION OF THEIR
 7 FUNCTION
 9 <130> FILE REFERENCE: 11422/0264679
 11 <140> CURRENT APPLICATION NUMBER: 09/524,531C
 12 <141> CURRENT FILING DATE: 2000-03-13
 14 <150> PRIOR APPLICATION NUMBER: EP 99.200746.8
 15 <151> PRIOR FILING DATE: 1999-03-11
 17 <160> NUMBER OF SEQ ID NOS: 22
 19 <170> SOFTWARE: PatentIn Ver. 2.1
 21 <210> SEQ ID NO: 1
 22 <211> LENGTH: 20
 23 <212> TYPE: DNA
 24 <213> ORGANISM: Artificial Sequence
 26 <220> FEATURE:
 27 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
 29 <220> FEATURE:
 30 <221> NAME/KEY: modified_base
 31 <222> LOCATION: (6)
 32 <223> OTHER INFORMATION: a, t, c, g, other or unknown
 34 <220> FEATURE:
 35 <221> NAME/KEY: modified_base
 36 <222> LOCATION: (10)..(12)
 37 <223> OTHER INFORMATION: a, t, c, g, other or unknown
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 40 **tayagntgyn nngcytcyaa** 20
 43 <210> SEQ ID NO: 2
 44 <211> LENGTH: 20
 45 <212> TYPE: DNA
 46 <213> ORGANISM: Artificial Sequence
 48 <220> FEATURE:
 49 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
 51 <220> FEATURE:
 52 <221> NAME/KEY: modified_base
 53 <222> LOCATION: (10)..(12)
 54 <223> OTHER INFORMATION: a, t, c, g, other or unknown
 56 <400> SEQUENCE: 2
 57 **taycrgtgyn nngcytcyaa** 20
 60 <210> SEQ ID NO: 3
 61 <211> LENGTH: 20
 62 <212> TYPE: DNA
 63 <213> ORGANISM: Artificial Sequence

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65 <220> FEATURE:

66 <223> OTHER INFORMATION: Description of Artificial Sequence: primer

68 <220> FEATURE:

69 <221> NAME/KEY: modified_base

70 <222> LOCATION: (10)..(12)

71 <223> OTHER INFORMATION: a, t, c, g, other or unknown

73 <400> SEQUENCE: 3

74 **taytaytgyn nngcytcyaa** 20

77 <210> SEQ ID NO: 4

78 <211> LENGTH: 18

79 <212> TYPE: DNA

80 <213> ORGANISM: Artificial Sequence

82 <220> FEATURE:

83 <223> OTHER INFORMATION: Description of Artificial Sequence: primer

85 <400> SEQUENCE: 4

86 gaggtacttg catgtgct 18

89 <210> SEQ ID NO: 5

90 <211> LENGTH: 19

91 <212> TYPE: DNA

92 <213> ORGANISM: Artificial Sequence

94 <220> FEATURE:

95 <223> OTHER INFORMATION: Description of Artificial Sequence: primer

97 <400> SEQUENCE: 5

98 cgacaggtgt cagataaca 19

101 <210> SEQ ID NO: 6

102 <211> LENGTH: 16

103 <212> TYPE: DNA

104 <213> ORGANISM: Artificial Sequence

106 <220> FEATURE:

107 <223> OTHER INFORMATION: Description of Artificial Sequence: primer

109 <400> SEQUENCE: 6

110 caccctcctc actcgt 16

113 <210> SEQ ID NO: 7

114 <211> LENGTH: 18

115 <212> TYPE: DNA

116 <213> ORGANISM: Artificial Sequence

118 <220> FEATURE:

119 <223> OTHER INFORMATION: Description of Artificial Sequence: primer used

120 for detection of JAM-2 transcript

122 <400> SEQUENCE: 7

123 gactcacaga caagtgc 18

126 <210> SEQ ID NO: 8

127 <211> LENGTH: 16

128 <212> TYPE: DNA

129 <213> ORGANISM: Artificial Sequence

131 <220> FEATURE:

132 <223> OTHER INFORMATION: Description of Artificial Sequence: primer used

133 for detection JAM-2 transcript

135 <400> SEQUENCE: 8

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140 <211> LENGTH: 25
141 <212> TYPE: DNA
142 <213> ORGANISM: Artificial Sequence
144 <220> FEATURE:
145 <223> OTHER INFORMATION: Description of Artificial Sequence: primer for
146 Hprt cDNA
148 <400> SEQUENCE: 9
149 gttggataca ggccagactt tgttg 25
152 <210> SEQ ID NO: 10
153 <211> LENGTH: 23
154 <212> TYPE: DNA
155 <213> ORGANISM: Artificial Sequence
157 <220> FEATURE:
158 <223> OTHER INFORMATION: Description of Artificial Sequence: primer for
159 Hprt cDNA
161 <400> SEQUENCE: 10
162 gagggtaggc tggcctatag gct 23
165 <210> SEQ ID NO: 11
166 <211> LENGTH: 1943
167 <212> TYPE: DNA
168 <213> ORGANISM: Mus musculus
170 <400> SEQUENCE: 11
171 cagacattcc cctcgacatg ggcgtgagcc ggcggctgcg acttcgactg tacgcgcggc 60
172 tgcctgactt cttcctgctg ctgctcttca ggggctgcat gatagaggca gtgaatctca 120
173 aatccagcaa ccgaaaccca gtggtacatg aatttgaaag tgtggaattg tcttgcatca 180
174 ttacggactc acagacaagt gaccctagga ttgaatggaa gaaaatccaa gatggccaaa 240
175 ccacatatgt gtattttgac aacaagattc aaggagacct ggcaggctgc acagatgtgt 300
176 ttggaaaaac ttccctgagg atctggaatg tgacacgata ggattcagcc atctatcgt 360
177 gtgaggctgt tgcctctaat gaccgaaaag aagttgatga gattaccatt gagttaattg 420
178 tgcaagtga ggcagtgaac cctgtctgca gaattccagc cgtgtacct gtaggcaaga 480
179 cggcaacact gcagtgccaa gagagcgagg gctatccccg gcctcactac agctgggtacc 540
180 gcaatgatgt gccactgcct acagattcca gagccaatcc cagggtccag aattcctctt 600
181 tccatgtgaa ctggagaca ggcactctgg ttttcaatgc tgtccacaag gacgactctg 660
182 ggcagtacta ctgcattgct tccaatgacg cagggtgcagc cagggtgtgag gggcaggaca 720
183 tggaagtcta tgatttgaac attgctggga ttattggggg agtccttggt gtccttattg 780
184 ttcttgctgt gattacgatg ggcattctgt gtgcgtacag acgaggctgc ttcacagca 840
185 gtaaacaga tggagaaagc tataagagcc cagggaagca tgacggtgtt aactacatcc 900
186 ggacgagtga ggagggtgac ttcagacaca aatcgctcct tgttatctga cacctgtcgg 960
187 ctgggagagc acatgcaagt acctctgttg gaagctggtc acagggtgc tgtgagccca 1020
188 gagctcctga caagccacc cgggcagaag ctttttgttt tggccaaagt tgatgactcc 1080
189 ttcttctcct ccttctctct taacaagcca caagaataaa aggaagcctc ctgaagatgg 1140
190 atgtagacac agattgttgc tagcctgacc tcattatggg gattagggtg atcttcaagg 1200
191 cctttctggt ctccgttctc ccatgcaggg caatttggac tgtttttgcc ccaggctggt 1260
192 tagctgccag gacaacactg gcagagagag gctgaggcgc tgggctgcag tagcagcagg 1320
193 caacagcctg atgcctgtga cagtgcacca ggaaggtttt caggcagtgc cttgctccct 1380
194 ggaccctgac ccaccgtgtt gcctctgttg attggccagt actgtcattt ccatcctgga 1440
195 gaatgtgttt ggaatcagca ttttataaaa aaccctaaatc agaaagggtga aattgcttgc 1500

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196 tgggaagagg gctctgaccc aggaaactct ccttcccaag agatgccagg agataggaga 1560
197 acctgtctgt cttaagtctg aaatgggtact gaagtctcct tttctattgg tcttgcttat 1620
198 ttataaaaaa tttaacattc taaattttgc tagagatgta ttttgattac tgaaaatttc 1680
199 tatataaact gtaaatatat tgccatacag tgtttcaaaa cgtatTTTTT tataatgagt 1740
200 tcaacttaag gtagaaggct tgggctgcta gtgtttaatt ggaaaatacc agtagtaaag 1800
201 tcttttaagg agttttctta aggaggctgg ctgaatatc ctttgttcaa aagaagtttt 1860
202 agcatttttc ataagaaaac ttactctgtc tgaccactgt tgcttaggaa accattaaag 1920
203 aattccaatc taaaaaaaaa aaa 1943

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206 <210> SEQ ID NO: 12

207 <211> LENGTH: 1631

208 <212> TYPE: DNA

209 <213> ORGANISM: Mus musculus

211 <400> SEQUENCE: 12

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212 mcramcagaa ttcggcacga ggggtctgggg gggggggggc gacctacggg ttctccctca 60
213 agagctaata tctgccgcca ctgccttagg accctgcgga caccgcgtcc cgcgtccacg 120
214 cctcccccct aacctctctc cacccttcaa aagaaggact gtccagacac cagctcctag 180
215 ggccagaaga cctgccccca cgacagtgcg tggagacacc ccagaccgga gagactgaca 240
216 tggggacagg acccgccctt ctgcttccac ctctcaggga cctcctctgc tccgccgccg 300
217 ggcgaagtgc tgggagaccc agcgcctgtg cgcgtcctg cagggggacc ctgagctagg 360
218 cagccagctg gcgcccgcgt agatggcgag gagcccccaa ggcctcctga tgctgctgct 420
219 gctacactac ttgatcgctg ccctggacta tcataaggca aatgggtttt ctgcatcaaa 480
220 agaccaccgt caagaagtca cagtaataga gttccaagag gctatTTTTg cttgtaaaac 540
221 cccaaagaag actacctcct ccagactgga gtggaagaag gtgggacagg ggggtctcctt 600
222 ggtctactac caacaggctc tccaagggtga ctttaaagac cgtgctgaga tgatagattt 660
223 caatatacga atcaaaaatg ttacaagaag tgatgctgga gagtatcgct gtgaagtcag 720
224 cgctccgact gagcaaggcc agaacctgca ggaagataaa gtcagtctag aagtactagt 780
225 ggctcctgct gttcctgcct gtgaagtgcc cacttctgtt atgactggaa gtgtggtgga 840
226 gctacgatgc caggataaag aaggaaaccc agctccggag tacatctggt ttaaagatgg 900
227 cacaagtttg ctaggggaatc caaaaggcgg cacacacaac aacagctcgt acacaaatga 960
228 acacgaatct ggaattctgc aattcaacat gatttccaag atggacagtg gagagtatta 1020
229 ctgcgaagcc cggaactctg tcggacaccg caggtgccct ggggaagcga tgcaagtaga 1080
230 tgttctcaac ataagcggca tcatagcaac ggttggtgtg gtggccttcg tgatttctgt 1140
231 atgtggcctt ggcacatgct atgctcagag gaaaggctac ttttcaaaag aaacttcctt 1200
232 ccagaagggc agtctctgat ctaaagtcac tacgatgggc gaaaatgatt tcaggcacac 1260
233 aaaatccttt ataatttaaa agaattccag ttttgggctg cccaaaacca gttgtcacat 1320
234 gttattaaaa tattgtaaaa ctctgtgtct tacacttgca aagtgatgaa gaaatatgaa 1380
235 aggggagttc atcagaagtt ttatgatctc taactcacia gaaatatttt aagcaaaacg 1440
236 ttcttgccat cactaaatta caacctggca tcttgtgttg acctaaagga aatgtctggt 1500
237 aatattctgg tttttgaagg caaatgaatg tcagtttgga gttgactata tcacactgac 1560
238 tgtaaggcta atccaagaag caagaatata aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1620
239 aaaaaaattt c 1631

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242 <210> SEQ ID NO: 13

243 <211> LENGTH: 310

244 <212> TYPE: PRT

245 <213> ORGANISM: Mus musculus

247 <400> SEQUENCE: 13

248 Met Ala Leu Ser Arg Arg Leu Arg Leu Arg Leu Tyr Ala Arg Leu Pro

249 1 5 10 15

251 His Phe Phe Leu Leu Leu Leu Phe Arg Gly Cys Met Ile Glu Ala Val

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252          20          25          30
254 Asn Leu Lys Ser Ser Asn Arg Asn Pro Val Val His Glu Phe Glu Ser
255          35          40          45
257 Val Glu Leu Ser Cys Ile Ile Thr His Ser Gln Thr Ser Asp Pro Arg
258          50          55          60
260 Ile Glu Trp Lys Lys Ile Gln Asp Gly Gln Thr Thr Tyr Val Tyr Phe
261          65          70          75          80
263 Asp Asn Lys Ile Gln Gly Asp Leu Ala Gly Arg Thr Asp Val Phe Gly
264          85          90          95
266 Lys Thr Ser Leu Arg Ile Trp Asn Val Thr Arg Ser Asp Ser Ala Ile
267          100          105          110
269 Tyr Arg Cys Glu Val Val Ala Leu Asn Asp Arg Lys Glu Val Asp Glu
270          115          120          125
272 Ile Thr Ile Glu Leu Ile Val Gln Val Lys Pro Val Thr Pro Val Cys
273          130          135          140
275 Arg Ile Pro Ala Ala Val Pro Val Gly Lys Thr Ala Thr Leu Gln Cys
276          145          150          155          160
278 Gln Glu Ser Glu Gly Tyr Pro Arg Pro His Tyr Ser Trp Tyr Arg Asn
279          165          170          175
281 Asp Val Pro Leu Pro Thr Asp Ser Arg Ala Asn Pro Arg Phe Gln Asn
282          180          185          190
284 Ser Ser Phe His Val Asn Ser Glu Thr Gly Thr Leu Val Phe Asn Ala
285          195          200          205
287 Val His Lys Asp Asp Ser Gly Gln Tyr Tyr Cys Ile Ala Ser Asn Asp
288          210          215          220
290 Ala Gly Ala Ala Arg Cys Glu Gly Gln Asp Met Glu Val Tyr Asp Leu
291          225          230          235          240
293 Asn Ile Ala Gly Ile Ile Gly Gly Val Leu Val Val Leu Ile Val Leu
294          245          250          255
296 Ala Val Ile Thr Met Gly Ile Cys Cys Ala Tyr Arg Arg Gly Cys Phe
297          260          265          270
299 Ile Ser Ser Lys Gln Asp Gly Glu Ser Tyr Lys Ser Pro Gly Lys His
300          275          280          285
302 Asp Gly Val Asn Tyr Ile Arg Thr Ser Glu Glu Gly Asp Phe Arg His
303          290          295          300
305 Lys Ser Ser Phe Val Ile
306          305          310
310 <210> SEQ ID NO: 14
311 <211> LENGTH: 298
312 <212> TYPE: PRT
313 <213> ORGANISM: Mus musculus
315 <400> SEQUENCE: 14
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317          1          5          10          15
319 Leu Ile Val Ala Leu Asp Tyr His Lys Ala Asn Gly Phe Ser Ala Ser
320          20          25          30
322 Lys Asp His Arg Gln Glu Val Thr Val Ile Glu Phe Gln Glu Ala Ile
323          35          40          45
325 Leu Ala Cys Lys Thr Pro Lys Lys Thr Thr Ser Ser Arg Leu Glu Trp

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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 08/07/2002
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 6,10,11,12
Seq#:2; N Pos. 10,11,12
Seq#:3; N Pos. 10,11,12
Seq#:18; Xaa Pos. 4
Seq#:19; Xaa Pos. 4
Seq#:20; Xaa Pos. 4
Seq#:22; Xaa Pos. 2,4,8